

Message

From: LEE, LILY [LEE.LILY@EPA.GOV]
Sent: 10/3/2017 4:11:00 PM
To: Chesnutt, John [Chesnutt.John@epa.gov]
Subject: Fwd: Response to your 10-2-17 email suggestions

Sent from my iPhone

Begin forwarded message:

From: "Brooks, George P CIV" <george.brooks@navy.mil>
Date: October 3, 2017 at 9:05:20 AM PDT
To: "LEE, LILY (LEE.LILY@EPA.GOV)" <LEE.LILY@EPA.GOV>, "Slack, Matthew L CIV SEA 04 04N" <matthew.slack@navy.mil>, "Edwards, Zachary L CIV SEA 04 04N" <zachary.edwards@navy.mil>, "Robinson, Derek J CIV NAVFAC HQ, BRAC PMO" <derek.j.robinson1@navy.mil>, "Janda, Danielle L CIV" <danielle.janda@navy.mil>, "Macchiarella, Thomas L JR CIV NAVFAC HQ, BRAC PMO" <thomas.macchiarella@navy.mil>
Subject: RE: Response to your 10-2-17 email suggestions

Hi Lily, I'll briefly reply to your last email messages and we can discuss them further if you like.

- 1) We previously discussed the ROC time-series plots and I thought we agreed it didn't make sense to plot those. The time-series plots are used to identify soil that comes from different sources. As such, we need to look at naturally occurring radioisotopes that were not contaminants - these are our soil marker isotopes. They help us fingerprint a soil type without the interference of varying or absent levels of contamination. I still feel that way.
- 2) Given our schedule restraints, reformatting the evaluation forms to present side by side Q-Q and Box plots was omitted in favor of expediting the report preparation. Our team did not have a problem evaluating the two different analyses even if they were on separate pages. They were presented individually in the Parcel B forms and then again in the Parcel G forms.
- 3) The Navy has summarized the survey units that have potentially manipulated or falsified data. We have yet to see the results of EPA's Principal Component Analysis or your recommendation for sampling survey units beyond what the Navy team identified. Do you plan to provide a summary?
- 4) Data Quality: A good project manager is always wary of scope growth. It is beyond the scope of this project to evaluate laboratory methods and procedures that were previously reviewed and approved for soil sample analyses. The methods are not perfect; we have noted for example that the Ra-226 results are biased high. However, the BCT accepted the screening onsite lab methods with the caveat that a fraction of the soil samples would be analyzed by a fixed-base lab. If the data are considered to be without manipulation or falsification, the previous decisions on which they were based should still be valid.

Dr. Bias discussed some quality issues related to building scans at the 9-12-17 meeting that are not directly comparable to soil analytical data.

-----Original Message-----

From: LEE, LILY [<mailto:LEE.LILY@EPA.GOV>]

Sent: Monday, October 02, 2017 3:01 PM

To: Brooks, George P CIV

Cc: Henderson, Kim/SDO; juanita.bacey@dtsc.ca.gov

Subject: [Non-DoD Source] Suggested agenda items for technical team conference call

Dear Pat and Kim,

Thank you for sending the Parcel G & B reports. We are reviewing them. In the mean time, I wanted to suggest the following potential topics for the upcoming 10/3 and/or 10/17 calls:

Soil forms report:

- * Let's discuss the types of findings that led you to conclusions about which category a survey unit should go to, i.e., resampling vs. reanalyze archived samples vs. no further action.
- * It would also help expedite reviews to get less blurry versions of figures.
- * Please see attached comments we sent in June regarding format of information presented in forms. It would expedite our reviews to have this type of format in displays.
- * See below previous discussion about showing data quality concerns.

Buildings

- * As you saw from the email from CDPH last week, we want to understand better what the Navy intends. For example, when you said you want to reclassify survey units based on static measurements. Will you do scans to help select biased locations for static measurements? What testing will be done for loose contamination?
- * EPA will not at this time request further searching for instances of duplication. However, any findings regarding potential falsification in buildings found recently or in the future should be considered in the determination of future locations for scanning and samplings as potential indications of contamination present.

Thanks!

* Lily

In my September 26, 2017, email to Pat I wrote this:

- * "We talked a few weeks ago about the Navy possibly changing the Parcel B map to show only areas where specifically potential evidence of falsification had been observed. I understand

that your 3rd party expert consultants also found data quality problems that may or may not be signs of falsification. You had agreed that for the maps in the upcoming reports that you would show in a different color survey units where data quality concerns have been found. Please add these to the next version of these maps.

* Regarding data quality, as I said at the 9/12 meeting, I know that data quality was not the task assigned to your contract team. However, to the extent that the Navy will propose consideration of use of Tetra Tech previously collected data for any future decisions, I am interested to learn more about the data quality issues that your consultants found. I appreciated that Craig gave an informal listing off the top of his head of data quality observations for buildings. I'd like to hear a more complete list of data quality observations for both buildings and soil from the 3rd party independent consultants. Maybe the Oct. 3 regular call would be a good time to hear these. Or you could email out a list.

* We talked several weeks ago about the request from Greenaction for records from the technical meetings, including agendas, participants lists, and minutes."

Lily Lee

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